



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

647.7918

Job Sheet 173238



Part No: 647.7918

Job Qty: 8 ea

Part Name: Bracket



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 2/27/18

Job Tracking No:

Due Date: 3/9/18

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG REV N/C SHEET 8 IPP REV:A 12.10.03 NEW ISSUE DD VERF:JFS

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	8 Ea		3/8/18	0.00	0.00	Start Up Waterjet		SC 18/04/01
110	Waterjet	8 pcs		3/8/18	0.00	1.03	Waterjet1		SC 18/04/01
120	QC	8 pcs		3/8/18	0.00	0.00	QC2 Waterjet-1		SC 18/04/01
130	QC	8 pcs		3/8/18	0.00	0.00	QC8-1		38
140	Brake NC	8 pcs		3/8/18	0.00	0.71	Brake NC 1		DAB 38
150	QC	8 pcs		3/8/18	0.00	0.00	QC5		38
160	Outsource	8 pcs		3/8/18	0.00	0.00	Outsource4		9-80
170	Packaging	8 pcs		3/8/18	0.00	0.00	Packaging2		AUG 22 2018
180	QC	8 pcs		3/8/18	0.00	0.00	QC5		
190	SprayPaint	8 pcs		3/9/18	0.00	0.78	Spray Paint		
200	QC	8 pcs		3/9/18	0.00	0.00	QC14		
210	Packaging	8 pcs		3/9/18	0.00	0.00	Packaging3-1		
220	QC21-SA	8 Ea		3/9/18	0.00	0.00	QC21		

Part Op 110 - 1-Cut as per Dwg Dwg Rev: NC Prog Rev: NC 2-Deburr if necessary

Descriptions: 160 - ISSUE P/O: 040733 HARD ANODIZE, COLOR BLACK AS PER DWG. (SEE NOTE 2)

190 - PRIME IAW MIL-P-23377J TYPE1 CLASS N AS PER DWG. (SEE NOTE 2) CARDINAL 4860-50 PRIMER
BATCH: _____

210 - ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M2024T3S.063	2024-T3 .063 Sheet	1.3040 sf (.163 ea)	90-Start up Operation	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	M2024T3S.063	1	167	0

Part Specifications

Specifications could not be found.

QA Closed: _____ Date: _____

Work Order update only

Work Order: _____		DISPOSITION Rework ☐ Scrap ☐ Suspect ☐		AGAINST DEPARTMENT/PROCESS																																																																																																																																							
Part No. _____				Skid-tube ☐ Machining ☐ Thermoforming ☐	Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐	Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐	Engineering ☐ Quality ☐ Other ☐																																																																																																																																				
NCR No. _____																																																																																																																																											
Date : _____		Step #: _____		MRB (QSI042) Approval _____																																																																																																																																							
Description Work Order Deviation																																																																																																																																											
 Completed By _____ and / Supervisor _____ Approval Verification _____ QA Coordinator Approval _____ DART AEROSPACE 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 TEL: 1 813 632-5200 Email: sales@dartaero.com www.dartaerospace.com																																																																																																																																											
Part: 647.7918 Job No: 173238 Serial No/Batch: S057138 Revision: _____ Inspector: _____ Container No: S057138 																																																																																																																																											
Date: 04/01/18																																																																																																																																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Root Cause</th> <th colspan="2"></th> <th colspan="2"></th> <th colspan="2"></th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>Environment</td> <td>☐</td> <td>No Re-verification</td> <td>☐</td> <td>Pressure</td> <td>☐</td> <td>Positioned Wrong</td> <td>☐</td> <td></td> <td>☐</td> </tr> <tr> <td>Design</td> <td>☐</td> <td>Operator</td> <td>☐</td> <td>Bending</td> <td>☐</td> <td>Outside Dimensions</td> <td>☐</td> <td></td> <td>☐</td> </tr> <tr> <td>Doc/Data</td> <td>☐</td> <td>Offset/Setup</td> <td>☐</td> <td>Centre Not Concentric</td> <td>☐</td> <td>Over/Under tolerance</td> <td>☐</td> <td></td> <td>☐</td> </tr> <tr> <td>Equip/Tooling</td> <td>☐</td> <td>Supplier</td> <td>☐</td> <td>Cracks</td> <td>☐</td> <td>Part Incorrect</td> <td>☐</td> <td></td> <td>☐</td> </tr> <tr> <td>Handling/Pre</td> <td>☐</td> <td>Training</td> <td>☐</td> <td>Crimp/Kink/Ripple/Wave</td> <td>☐</td> <td>Inspection Incomplete/Unqualified</td> <td>☐</td> <td>Wrong Stock Pulled</td> <td>☐</td> </tr> <tr> <td>Material</td> <td>☐</td> <td>Use for Testing</td> <td>☐</td> <td>Cuffs</td> <td>☐</td> <td>Contamination</td> <td>☐</td> <td>Out of Sequence</td> <td>☐</td> </tr> <tr> <td>Internal Transport</td> <td>☐</td> <td>Poor Information</td> <td>☐</td> <td>Crushing</td> <td>☐</td> <td>Countersink</td> <td>☐</td> <td>Off-set</td> <td>☐</td> </tr> <tr> <td>Tribal Knowledge</td> <td>☐</td> <td>Rushing</td> <td>☐</td> <td>Heat Treat</td> <td>☐</td> <td>Cut Too Short</td> <td>☐</td> <td>Mislabeled</td> <td>☐</td> </tr> <tr> <td>LOA</td> <td>☐</td> <td>Product Improvement</td> <td>☐</td> <td>Wave/Twist in Tube</td> <td>☐</td> <td>Instructions Incomplete/Unclear</td> <td>☐</td> <td>Fit/Function</td> <td>☐</td> </tr> <tr> <td>Substation</td> <td>☐</td> <td>Process Improvement</td> <td>☐</td> <td>Marks/Chatter</td> <td>☐</td> <td>Drill Holes</td> <td>☐</td> <td>Misaligned/off center</td> <td>☐</td> </tr> <tr> <td>Past Expiry Date</td> <td>☐</td> <td>Manufacturing Process</td> <td>☐</td> <td colspan="6"></td> </tr> <tr> <td>Misidentified</td> <td>☐</td> <td>Past Due</td> <td>☐</td> <td colspan="6">OTHER :</td> </tr> </tbody> </table>										Root Cause										Environment	☐	No Re-verification	☐	Pressure	☐	Positioned Wrong	☐		☐	Design	☐	Operator	☐	Bending	☐	Outside Dimensions	☐		☐	Doc/Data	☐	Offset/Setup	☐	Centre Not Concentric	☐	Over/Under tolerance	☐		☐	Equip/Tooling	☐	Supplier	☐	Cracks	☐	Part Incorrect	☐		☐	Handling/Pre	☐	Training	☐	Crimp/Kink/Ripple/Wave	☐	Inspection Incomplete/Unqualified	☐	Wrong Stock Pulled	☐	Material	☐	Use for Testing	☐	Cuffs	☐	Contamination	☐	Out of Sequence	☐	Internal Transport	☐	Poor Information	☐	Crushing	☐	Countersink	☐	Off-set	☐	Tribal Knowledge	☐	Rushing	☐	Heat Treat	☐	Cut Too Short	☐	Mislabeled	☐	LOA	☐	Product Improvement	☐	Wave/Twist in Tube	☐	Instructions Incomplete/Unclear	☐	Fit/Function	☐	Substation	☐	Process Improvement	☐	Marks/Chatter	☐	Drill Holes	☐	Misaligned/off center	☐	Past Expiry Date	☐	Manufacturing Process	☐							Misidentified	☐	Past Due	☐	OTHER :					
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DART AEROSPACE LTD		Work Order:	173238
Description: Bracket		Part Number:	647-7918
Inspection Dwg: 647	Rev: 1/C	Page 1 of 1	

647-7918

INSPECTION SHEET

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
2,094	$\pm 0,010$	2,093			WDC-01	
3,408	$\pm 0,010$	3,407				
3,680	$\pm 0,010$	3,681				
3,815	$\pm 0,010$	3,816				
0,620	$\pm 0,010$	0,621				
0,891	$\pm 0,010$	0,891				
2,083	$\pm 0,010$	2,084				
5,083	$\pm 0,010$	5,083				
5,799	$\pm 0,010$	5,799				
3,770	$\pm 0,010$	3,771				
3,106	$\pm 0,010$	3,107				
2,620	$\pm 0,010$	2,621				
1,031	$\pm 0,010$	1,036				
0,201	$\pm 0,010$	0,200				
0,149	$\pm 0,010$	1,150				
0,619	$\pm 0,010$	0,620				
5,443	$\pm 0,010$	5,440				
5,629	$\pm 0,010$	5,630				
5,937	$\pm 0,010$	5,940				
6,138	$\pm 0,010$	6,138				
0,063	$\pm 0,010$	0,062				
0,100	$\pm 0,05/-0,001$	0,106				

Measured by: SC	Checked by: 38	QC Inspector:
Date: 18/04/01	Date: APR 03 2018	Date:

Engineering Approval: (If necessary)	Date:
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Rev	Date	Change	Revised by	Approved
A	14.07.31	New Issue	KJ	

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER **PO040733**

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalonde, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO040733
PO Date: 8/13/18
Due Date: 8/30/18
Purchase Order
Revision:
Revision Date:
Ship-To Contact: Tsimiklis, Chrisoula
Phone:
Via: Ground
Pymt Terms: Net 30
Freight Terms:
Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	173238	647.7918	Bracket ISSUE P/O: HARD ANODIZE, COLOR BLACK AS PER DWG.(SEE NOTE 2)	Firmed	-	8/30/18	8 pcs	0 pcs	8 pcs	\$12.55/pcs	\$100.40
2	169396	647.7915	Bracket ISSUE P/O: HARD ANODIZE, COLOR BLACK AS PER DWG.(SEE NOTE 2)	Firmed	-	8/30/18	10 pcs	0 pcs	10 pcs	\$10.35/pcs	\$103.50
	181422			Firmed	-	8/30/18	30 pcs	0 pcs	30 pcs	\$10.35/pcs	\$310.50
Sub Total:							40	0	40		\$414.00
3	169395	647.7914	Bracket ANODIZE TEMPLATE Issue P/O to ATG: AS PER MPP-172 SECTION 2.1, HARD ANODIZE COLOR BLACK, PER IAW MIL-A-8625 TYPE 3 CLASS 2 AS PER MPP-172 SECTION 4.2, Prime IAW MIL-P-23377J Type1 Class N Certification of Conformity is required	Firmed	-	8/30/18	10 pcs	0 pcs	10 pcs	\$10.35/pcs	\$103.50
	181421			Firmed	-	8/30/18	30 pcs	0 pcs	30 pcs	\$10.35/pcs	\$310.50
Sub Total:							40	0	40		\$414.00

DAS
38
9-89

Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	180424	D2224	Rappel Anchor Assembly : Various STC's Issue P/O: _____ Red Anodize as per Dwg D2224 MIL-A-8625	Firmed	-	8/30/18	4 pcs	0 pcs	4 pcs	\$31.65/pcs	\$126.60
Grand Total:											\$1,055.00
Order Notes											
Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.											

Plex 8/14/18 2:18 PM dart.tsimiklis.chrisoula



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 915838

Date: 20-Aug-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chrisoula Tsimiklis
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

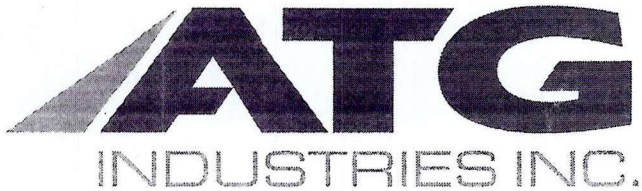
Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
8 ea	Part: 647.7918 ✓ Bracket Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Job: 23582 PO: PO040733 Line: 1	Rev: N/C	
40 ea	Part: 647.7915 ✓ Bracket Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Job: 23583 PO: PO040733 Line: 2	Rev: N/C	
40 ea	Part: 647.7914 ✓ Bracket Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils) Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0006-.0009" (.6 - .9 mils) per drawing. Job: 23584 PO: PO040733 Line: 3	Rev: N/C	
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>20/8/18</u> Certified Signature: <u>[Signature]</u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of Made in Canada.			



A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 915838

Date: 20-Aug-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Chrisoula Tsimiklis
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		ATG Delivery	
Quantity	Description		
	receipt.		
Made in Canada.			